



National Load Despatch Centre
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)
CIN No.: U40105DL2009GOI188682

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 04th Dec 2020

To,

1. कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यपालक निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
3. कार्यपालक निदेशक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र, अंधेरी, मुंबई - 400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यपालक निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 23rd Nov-2020 to 29th Nov-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 23 नवंबर -2020 से 29 नवंबर-2020, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक पर उपलब्ध है :-

As per article 5.5.1 of the Indian Electricity Grid Code, the weekly status report pertaining power supply position report of All India Power System for the week 23rd Nov-2020 to 29th Nov-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr. DGM(SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (23 नवंबर 2020 से 29 नवंबर 2020 तक)

रिपोर्टिंग तिथि:-

4-Dec-20

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
23-11-2020	43622	928	48907		38810		16484		2406	5	150229	933
24-11-2020	45190	263	50786		38266		16820		2448	5	153510	268
25-11-2020	44682	75	50355		35800		16938		2473	4	150248	79
26-11-2020	45527		50718		33356		16651		2475	9	148727	9
27-11-2020	45629	60	49679		35095		16414		2477	33	149294	93
28-11-2020	46048	20	50906		37230		17429		2476	7	154089	27
29-11-2020	42848	200	48545		34587		16526		2354	46	144860	246

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०व्०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन
	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)	(मि०व्०)
23-11-2020	868	108	1173	28	859	96	331	44	41	14	3273	291
24-11-2020	889	104	1202	37	858	90	342	45	42	14	3332	290
25-11-2020	898	108	1198	39	813	83	343	43	43	14	3295	286
26-11-2020	879	108	1194	32	725	84	338	43	42	13	3178	280
27-11-2020	904	111	1176	28	754	88	344	45	43	13	3221	284
28-11-2020	906	110	1170	27	770	86	342	47	43	13	3231	283
29-11-2020	880	108	1177	28	755	75	336	43	42	13	3191	268

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड
23-11-2020	10.09	10.38	75.84	13.77	49.99	0.042
24-11-2020	5.58	5.67	77.28	17.05	50.00	0.030
25-11-2020	2.07	2.07	79.63	18.30	50.01	0.028
26-11-2020	3.50	3.84	73.32	22.84	50.01	0.033
27-11-2020	2.58	3.46	75.94	20.60	50.00	0.032
28-11-2020	3.55	3.55	81.22	15.23	50.00	0.027
29-11-2020	6.24	6.41	79.80	13.78	49.99	0.033

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

Region	Date	23-11-2020		24-11-2020		25-11-2020		26-11-2020		27-11-2020		28-11-2020		29-11-2020	
	States	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	5020	38	5229	263	5227	175	5722	0	5814	0	6127	0	5688	0
	Haryana	5775	238	6043	0	6034	0	6045	0	6080	0	6040	0	5895	0
	Rajasthan	12471	0	12819	0	12718	282	11641	0	12757	0	12450	0	12672	0
	Delhi	3535	0	3541	0	3657	0	3470	0	3701	0	3378	0	3470	0
	UP	13704	240	14111	0	13870	0	13919	0	14226	0	14157	20	13717	0
	Uttarakhand	1904	0	1923	0	1988	0	1933	0	1983	0	1934	0	1823	0
	HP	1659	40	1659	0	1693	0	1646	0	1737	0	1604	0	1509	0
	J&K	2545	0	2460	0	2593	0	2659	0	2589	0	2830	0	2496	0
	Chandigarh	199	0	192	0	205	0	176	0	201	0	182	0	174	0
WR	Chhattisgarh	3416	0	3466	0	3430	0	3320	0	3294	0	3352	0	3311	0
	Gujarat	15831	0	15944	0	15702	0	15716	0	15922	0	15801	0	15468	0
	MP	14012	0	14062	0	14013	0	14300	0	14381	0	14351	0	14227	0
	Maharashtra	20931	0	22275	0	22361	0	22585	0	21547	0	20989	0	21562	0
	Goa	501	0	498	0	504	0	483	0	494	0	477	0	432	0
	DD	329	0	340	0	346	0	338	0	342	0	298	0	300	0
	DNH	792	0	797	0	795	0	802	0	764	0	790	0	778	0
	Essar steel	829	0	795	0	798	0	776	0	816	0	764	0	764	0
SR	Andhra Pradesh	8150	0	7877	0	7522	0	5826	0	6286	0	6817	0	6607	0
	Telangana	7173	0	7095	0	7290	0	7043	0	6556	0	6548	0	6760	0
	Karnataka	10388	0	10441	0	10708	0	10255	0	10465	0	9397	0	9318	0
	Kerala	3552	0	3573	0	3572	0	3308	0	3604	0	3535	0	3345	0
	Tamil Nadu	13383	0	12971	0	11704	0	10961	0	12162	0	12721	0	11401	0
	Pondy	342	0	315	0	218	0	253	0	320	0	346	0	323	0
ER	Bihar	4208	0	4289	0	4386	0	4374	0	4343	0	4240	0	4309	0
	DVC	3065	0	3047	0	3076	0	3010	0	3044	0	2988	0	2935	0
	Jharkhand	1394	0	1327	0	1372	0	1388	0	1348	0	1371	0	1382	0
	Odisha	3629	0	3805	0	3700	0	3575	0	3677	0	3673	0	3601	0
	West Bengal	5958	0	5974	0	6161	0	5869	0	6053	0	6117	0	5788	0
	Sikkim	112	0	100	0	102	0	104	0	102	0	113	0	90	0
NER	Arunachal Pradesh	118	1	125	2	124	2	121	1	118	2	121	1	121	1
	Assam	1405	14	1465	11	1477	12	1431	3	1441	39	1559	7	1361	6
	Manipur	216	1	219	1	221	1	228	2	221	2	208	1	214	2
	Meghalaya	356	0	365	1	350	0	356	0	358	0	359	0	354	3
	Mizoram	105	0	106	1	108	0	103	1	101	1	110	2	103	2
	Nagaland	120	2	134	2	128	1	126	2	130	2	127	1	136	1
Tripura	244	4	232	2	233	5	212	1	221	0	216	2	213	1	

6. Energy Consumption in States (MUs)

Region	States	23-11-2020	24-11-2020	25-11-2020	26-11-2020	27-11-2020	28-11-2020	29-11-2020
NR	Punjab	99.6	102.7	105.4	110.1	113.6	117.7	108.6
	Haryana	113.3	120.5	121.1	117.1	122.7	123.8	118.1
	Rajasthan	233.8	236.2	236.1	224.5	231.9	233.3	232.7
	Delhi	62.0	62.6	64.3	61.8	63.4	59.8	58.1
	UP	240.5	245.5	247.5	243.6	250.8	250.4	246.0
	Uttarakhand	35.6	36.4	37.6	37.1	37.1	36.7	34.9
	HP	29.7	30.6	30.8	30.6	29.6	29.6	27.9
	J&K	50.5	51.2	52.1	51.4	51.6	52.0	51.1
	Chandigarh	3.3	3.2	3.4	3.0	3.3	3.1	3.0
WR	Chhattisgarh	72.8	74.6	74.5	73.0	70.0	72.8	73.9
	Gujarat	330.9	335.4	333.0	334.6	333.4	334.7	327.9
	MP	273.3	275.9	279.1	275.3	276.2	276.4	275.7
	Maharashtra	442.3	462.6	458.3	458.0	443.7	433.6	447.9
	Goa	10.2	10.3	10.1	10.0	10.2	11.0	9.1
	DD	6.8	7.4	7.6	7.5	7.5	6.1	6.9
	DNH	18.2	18.3	18.4	18.5	17.2	18.1	18.1
	Essar steel	18.3	17.4	16.9	17.7	18.1	17.3	17.4
SR	Andhra Pradesh	170.4	166.8	155.1	122.4	116.6	127.9	130.8
	Telangana	147.1	146.3	146.6	138.4	128.8	130.7	135.5
	Karnataka	195.2	200.9	198.6	186.1	186.4	177.9	174.9
	Kerala	69.4	71.2	72.5	67.3	72.2	71.7	66.1
	Tamil Nadu	270.2	266.4	236.6	208.4	243.9	255.4	241.3
	Pondy	6.8	5.9	3.1	2.3	6.2	6.8	6.8
ER	Bihar	71.1	72.5	75.3	74.0	75.1	72.0	75.2
	DVC	63.8	63.6	65.0	62.7	64.8	63.7	62.6
	Jharkhand	24.3	24.6	25.0	25.4	25.8	24.8	24.8
	Odisha	70.0	69.6	67.5	67.5	67.6	68.9	67.9
	West Bengal	100.7	110.1	109.0	106.5	109.0	110.8	104.5
	Sikkim	1.5	1.5	1.5	1.6	1.6	1.7	1.4
NER	Arunachal Pradesh	2.1	2.1	2.2	2.1	2.0	2.0	2.0
	Assam	23.3	23.8	24.4	23.6	24.3	24.6	24.1
	Manipur	2.8	2.8	2.9	3.0	3.0	2.6	2.7
	Meghalaya	6.1	6.3	6.2	6.4	6.3	6.1	6.0
	Mizoram	1.6	1.6	1.6	1.6	1.7	1.6	1.7
	Nagaland	2.2	2.2	2.3	2.1	2.1	2.1	2.1
	Tripura	3.4	3.5	3.4	3.4	3.5	3.5	3.4
ALL INDIA TOTAL		3273.0	3332.3	3294.7	3178.2	3220.9	3231.0	3190.9

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (23 नवंबर 2020 से 29 नवंबर 2020 तक)

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-)]

दिनांक	23-11-2020	24-11-2020	25-11-2020	26-11-2020	27-11-2020	28-11-2020	29-11-2020
East to North	-77.2	-77.7	-63.3	-49.5	-55.9	-61.7	-81.0
East to West	27.8	20.0	18.5	22.8	36.4	26.4	4.7
East to South	-101.3	-100.4	-96.3	-86.4	-89.0	-98.6	-96.1
East to North-East	-10.5	-13.2	-9.4	-9.3	-13.4	-3.9	12.4
North-East to North	-9.5	-9.4	-9.4	-9.9	-11.0	-3.6	-10.8
West to North	-203.2	-207.0	-215.5	-189.7	-193.3	-205.1	-196.3
West to South	-88.9	-96.0	-79.4	-62.5	-66.7	-66.2	-52.4

**भूटान , नेपाल एवं बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL
EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH**

साप्ताहिक रिपोर्ट (23 नवंबर 2020 से 29 नवंबर 2020 तक)

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश BANGLADESH		
	Energy Exchange	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
23-11-2020	12.2	509	-2.5	-294	-106	-15.8	-830	-659
24-11-2020	11.8	493	-3.0	-287	-125	-15.3	-824	-636
25-11-2020	12.2	506	-3.6	-357	-151	-15.3	-818	-637
26-11-2020	11.1	463	-3.8	-360	-160	-16.3	-994	-681
27-11-2020	10.7	444	-4.4	-365	-184	-11.9	-522	-497
28-11-2020	11.0	460	-3.0	-335	-125	-11.6	-505	-484
29-11-2020	10.6	441	-4.3	-382	-181	-11.6	-516	-481
कुल Total	79.6		-24.8			-97.8		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Element (Region/Minutely opened)	Owner / Agency	Outage		Recover		Outage Duration	Cause (As reported)	Generation Loss(MW)	Load Loss(MW)	Criticality as per ICR Grid Schedule
				Date	Time	Date	Time					
1	NR	1) 400/220 KV 315 MVA ICT 2 at Bhiwara(RS) 2) 220 KV Bhiwara(RS) 400KVG1 (RS) Ckt-1	RAJASTHAN	23-Nov-20	09:10	23-Nov-20	10:24	01:14	220 KV Bhiwara(RS)-Kotla(PG) (RS) Ckt-1 tripped due to snapping of R-ph jumper. Fault current was 5.6k and fault distance was 132.5km from Kotla(PG) end. At the same time, 400/220 KV 315 MVA ICT 2 at Bhiwara(RS) also tripped due to buchholz relay operation. As per PMU, 4 N fault is observed. In antecedent condition 400/220 KV 315 MVA ICT 2 at Bhiwara(RS) carrying 217MW.	0	0	G-2
2	NR	1) 400 KV Nalgigar(PG) Parbati Pooling Banala(PG) (PTCL) Ckt-1 2) 400/220 KV 315 MVA ICT 1 at Parbati Pooling Banala(PG) 3) 400 KV Amritsar-Parbati Pooling Banala (PG) Ckt-1 4) 400KV Bus 1 at Parbati Pooling Banala(PG)	HIMACHAL PRADESH	24-Nov-20	17:22	24-Nov-20	18:31	01:09	400KV Bus 1 at Parbati Pooling Banala(PG), 400 KV Amritsar-Parbati Pooling Banala (PG) Ckt-1, 400/220 KV 315 MVA ICT 1 at Parbati Pooling Banala(PG) & 400KV Nalgigar(PG)-Parbati Pooling Banala(PG) (PTCL) Ckt-1 all tripped due to 400KV Bus-1 Bus Bar protection operated due to flash-over in Bus isolator at Banala. As per PMU, 4 N fault is observed. In antecedent condition, 400 KV Amritsar-Parbati Pooling Banala (PG) Ckt-1, 400/220 KV 315 MVA ICT 1 at Parbati Pooling Banala(PG) & 400KV Nalgigar(PG)-Parbati Pooling Banala(PG) (PTCL) Ckt-1 carrying 112MW, 43MW & 166MW respectively.	0	0	G-2
3	SR	i. 230KV Kanchhepparam line-1 and 2 ii. 230KV Kanch line-1 and 2 iii. 230KV Sirasani line-1 and 2 iv. Station Transformer -1 and 2	TAMIL NADU	25-Nov-20	22:53:0	26-Nov-20	03:22	04:30	Complete Outage of 230KV BHAVINI. As per the information received, all connected lines got tripped only at Bhavini end due to Over voltage resulting in complete loss of supply. Details are awaited.	0	70	GD-1
4	SR	i. 400V/220V ICTR2 and 4 at Shankarapally ii. 220KV Sathahupeta line-2 iii. 220KV Nedampararam line-2 iv. Gachuboli line-1 v. 220KV Tandur line vi. 220KV Parigi line-1	TELANGANA	26-Nov-20	07:57	26-Nov-20	09:55	01:58	Tripping of 220KV Bus 2 at Shankarapalli SS of TSTRANSCO. Tripping incident was failure of R phase CB of 220KV Shankarapalli Feeder line-2 at Shankarapalli end. LBB operated resulting in the tripping of all the elements connected to Bus-2 at Shankarapalli SS.	0	0	G-1
5	SR	i. 400V Jindal BTFS line ii. 400V Jindal BPS line-1 iii. 400V Jindal Guttur line iv. 400V BTFS Hesar line-1 v. UPI, 3, 4 and 5 at Jindal TPS vi. UPI and 2 at BTFS	KARNATAKA	29-Nov-20	13:16	29-Nov-20	13:52	00:36	Multiple Tripping at 400V Jindal TPS of 6WEL and 400V BTFS of MPLC. Units 1,3,4 and 5 at Jindal TPS (180 MW) tripped due to flash over in GIS Chamber and Unit 1 and 2 at BTFS (160 MW) tripped due to electrical side problem. Complete Generation loss of 3400 MW. 400V Jindal- BTFS, 400V Jindal- BPS-1, 400V Jindal- Guttur and 400V BTFS - Hesar-1 also got tripped during this event. Details are still awaited.	1690	0	G-2
6	NER	AGBPP Unit 1, 2, 3, 4, 5, 7 & 8	Assam	24-Nov-20	04:22	24-Nov-20	06:00	01:38	AGBPP Unit 1, 2, 3, 4, 5, 7 & 8 tripped at 04:22 Hrs on 24.11.20 due to auxiliary power failure. Revision done from Block No.25 on 24-11-2020.	150	0	G-2
7	NER	Palatana Unit GT-II	Tripura	30-Nov-20	02:49	30-Nov-20	04:30	01:41	Palatana Unit GT-II tripped at 02:49 Hrs on 30.11.20 due to Stator Earth Fault. Revision done from Block No.19 on 30-11-2020.	319	0	G-2